(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 December 2004 (29.12.2004)

PCT

(10) International Publication Number WO 2004/112604 A2

(51) International Patent Classification7: A61B 5/0484

(21) International Application Number:

PCT/US2004/019418

(22) International Filing Date: 18 June 2004 (18.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/479,684 60/557,230

19 June 2003 (19.06.2003) US 29 March 2004 (29.03.2004)

(71) Applicant (for all designated States except US): NEU-RONETRIX, INC. [US/US]; 1048 E. Chestnut Street, Louisville, KY 40204 (US).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): FADEM, Kalford, C. [US/US]; 2400 Mellwood Avenue, Louisville, KY 40206 (US).
- (74) Agents: FRANKLIN, David, E. et al.; Frost Brown Todd Llc, 2200 PNC Center, 201 East Fifth Street, Cincinnati, OH 45202 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE AND METHOD FOR AN AUTOMATED E.E.G. SYSTEM FOR AUDITORY EVOKED RESPONSES

(57) Abstract: A dyslexia screening test system suitable for clinical use includes an integrated headset that efficiently and conveniently performs an auditory evoked response (AER) test by positioning electrodes about the ears of the subject. An integral control module automatically performs the test, providing simplified controls and indications to the clinician. A number of screening tests that are stored in the headset are periodically uploaded for billing, remote analysis and result reporting.



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



1 (BBI B 18) 1 (BBI

(43) International Publication Date 29 December 2004 (29,12,2004)

PCT

(10) International Publication Number WO 2004/112604 A3

(51) International Patent Classification⁷:

A61B 5/0484

(21) International Application Number:

PCT/US2004/019418

(22) International Filing Date: 18 June 2004 (18.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/479,684 19 June 2003 (19.06.2003) US 60/557,230 29 March 2004 (29.03.2004) US

- (71) Applicant (for all designated States except US): NEU-RONETRIX, INC. [US/US]; 1048 E. Chestnut Street, Louisville, KY 40204 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): FADEM, Kalford, C. [US/US]; 2400 Mellwood Avenue, Louisville, KY 40206 (US).
- (74) Agents: FRANKLIN, David, E. et al.; Frost Brown Todd Llc, 2200 PNC Center, 201 East Fifth Street, Cincinnati, OH 45202 (US).

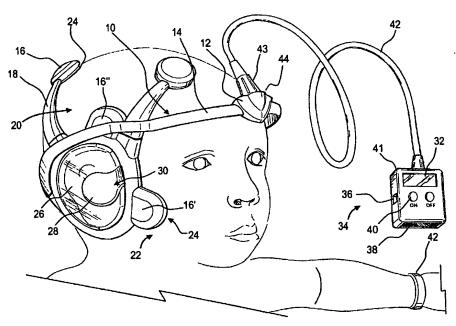
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR AN AUTOMATED E.E.G. SYSTEM FOR AUDITORY EVOKED RESPONSES



(57) Abstract: A dyslexia screening test system suitable for clinical use includes an integrated headset that efficiently and conveniently performs an auditory evoked response (AER) test by positioning electrodes about the ears of the subject. An integral control module automatically performs the test, providing simplified controls and indications to the clinician. A number of screening tests that are stored in the headset are periodically uploaded for billing, remote analysis and result reporting.

WO 2004/112604 A3



(88) Date of publication of the international search report: 27 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.